Express Mail No. EV 272909034 US
Serial No.: Not Yet Assigned
Title: TINTABLE ABRASION RESISTANT COATING COMPOSITION AND.....
Applicant: Youngun Pae
Atty: Kathryn L. Hester, Ph.D.
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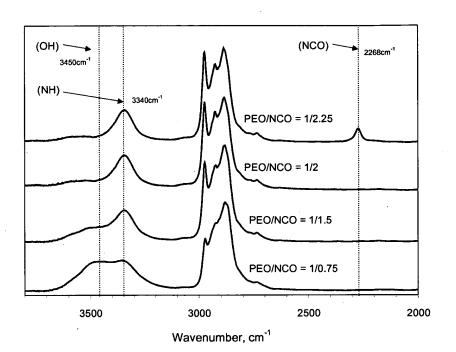


FIG. 1

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(a)

Tint Time	[Silylated PEO], Wt. %			
	3	5	. 7	9
5	90.9	89.2	86.2	82.3
10	89.9	86.4	79.9	71.6
20	86.7	77.4	62	50.7
30	82.3	65.9	43.5	n/a

(b)

Tint Time	[Silylated PEO], Wt. %			
	3	5	7	9
5	89.3	85	77.9	60.5
10	83.7	72.2	58.2	32.7
15	76.4	58.5	40.8	19.6
20	68.9	47.3	29.2	n/a

(c)

Tint Time	[Silylated PEO], Wt. %			
	3	5	7	9
5	89.8	85.2	78.8	61.7
10	85	73.7	61.1	40
15	77.8	59.5	44	25.9
20	69.6	46.8	31.5	n/a

FIG. 2

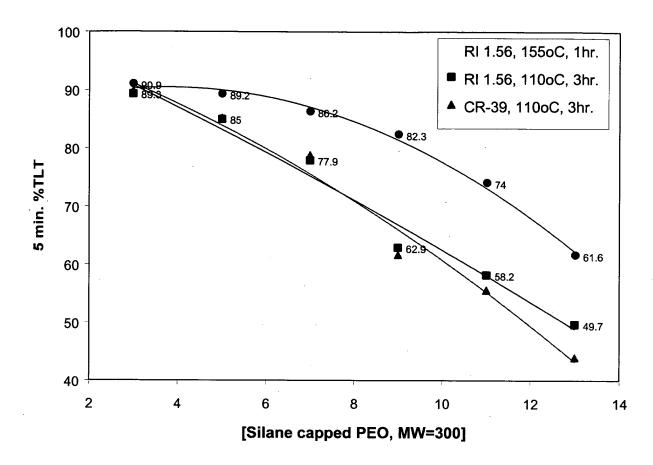


FIG. 3

 Express Mall No. EV 272909034 US
 Date Deposited: September 16, 2003

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 Title:
 TINTABLE ABRASION RESISTANT COATING COMPOSITION AND....

 Applicant:
 Youngun Pae
 Dkt. No.
 7124.020

 Atty:
 Kathryn L. Hester, Ph.D.
 Tel:
 (405) 607-8600

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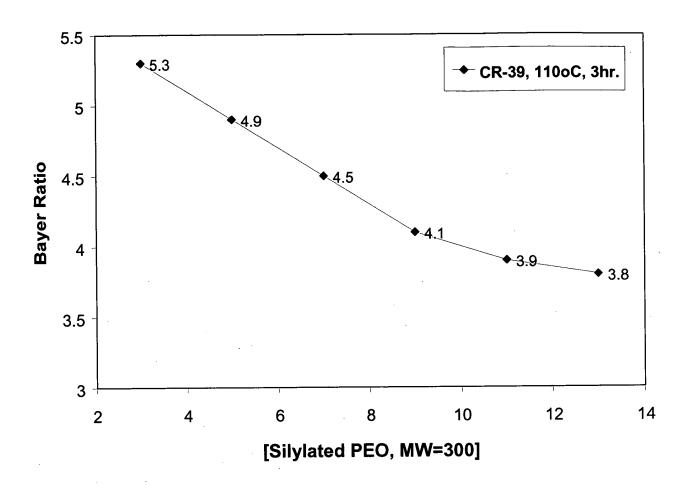


FIG. 4

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Filed: Herewith
Dkt. No. 7124.020
Tel: (405) 607-8600

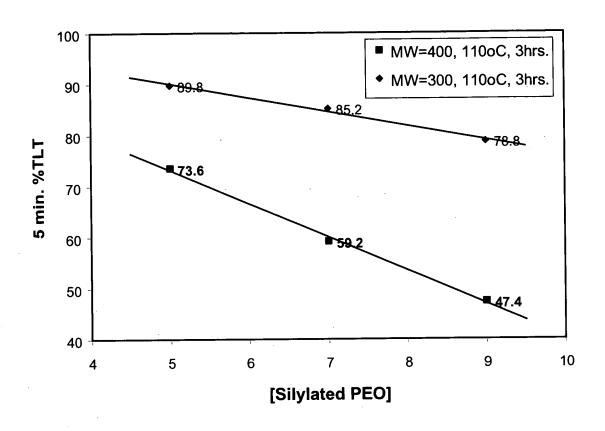


FIG. 5

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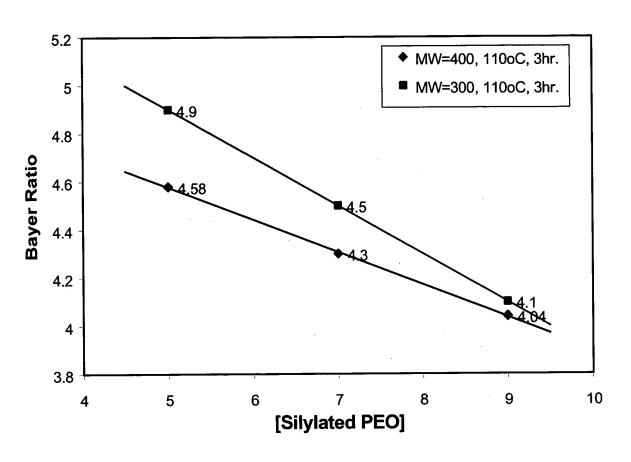


FIG. 6

		Adhoeion	2		ò		
Comple					0		
Calliple	Initial	5 min	10 min	Initial	5 min	min	15 min
Tintable coating	Pass	fail	e/u	91.6	65.8	n/a	6/0
						2	3
PR-1135/Tintable coating	Pass	pass	pass	91.7	64.6	42.8	29.6
PR-1165/Tintable coating	Pass	pass	pass	91.8	62.9	45.5	35.2

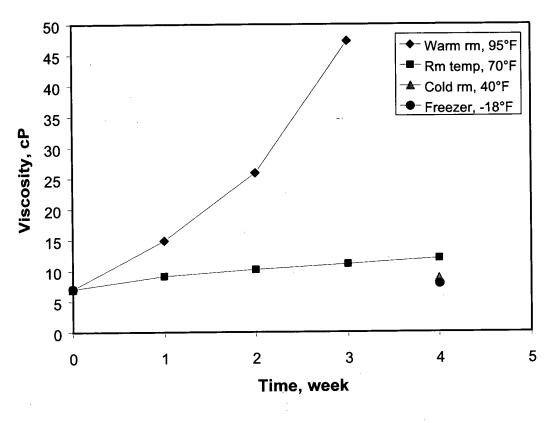


FIG. 8





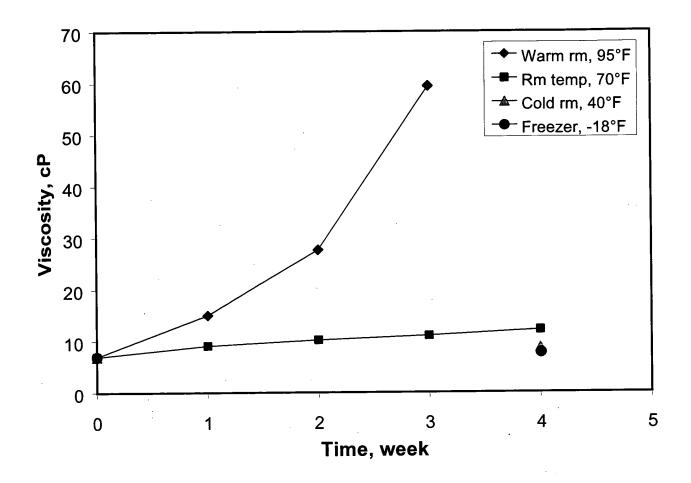


FIG. 9

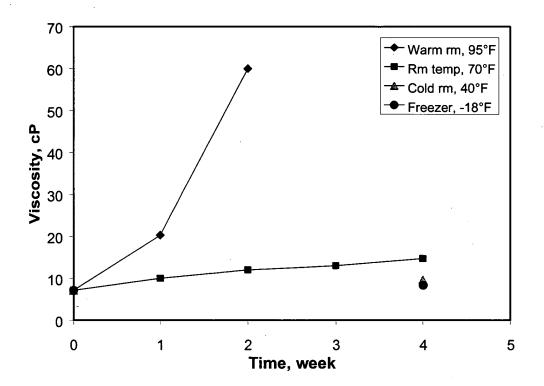


FIG. 10

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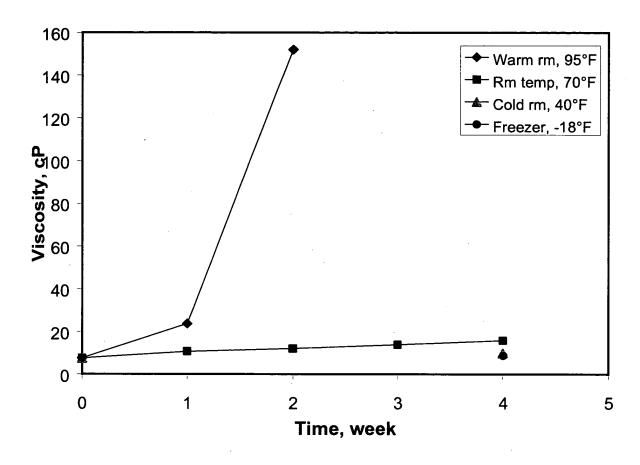


FIG. 11

	Bayer	30	min Viscosity,
рН	ratio	%TLT	сР
4.55	3.8	24.3	25.9
4.67	3.7	26.8	27.7
4.74	4.0	28.3	60.0
4.82	3.7	25.8	152.0

FIG. 12

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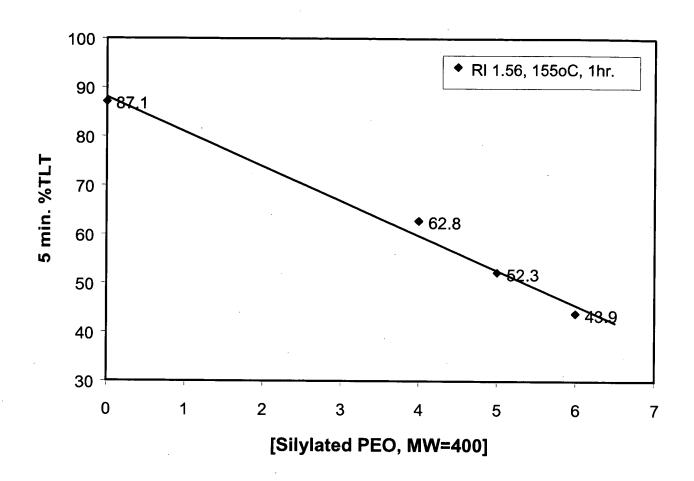


FIG. 13

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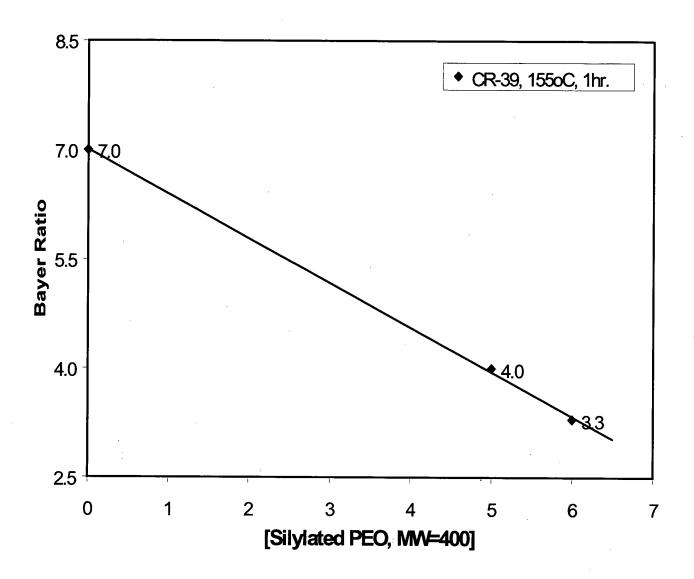


FIG. 14

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	/-	

	w/o	w/
Properties	silylated PEO	silylated PEO
5 min %TLT	87.6	43.9
Bayer ratio	7	3.3

FIG. 15

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Tel: (405) 607-8600
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	w/o	w/
Properties	silylated PEO	silylated PEO
5 min %TLT	86.7	51.2
Bayer ratio	6	3.6

FIG. 16

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	w/o	w/
Properties	silylated PEO	silylated PEO
FT, micron	2.9	4.3
30 min %TLT	80.9	42.6
Bayer ratio	3.2	3.1

FIG. 17

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Kathryn L. Hester, Ph.D.
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Dkt. No. 7124.020
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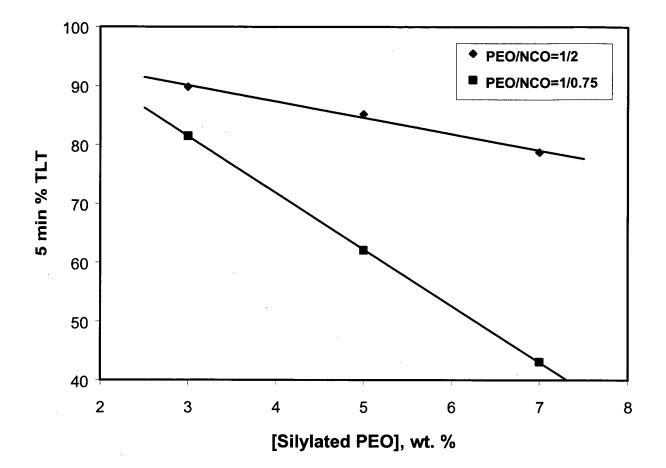


FIG. 18

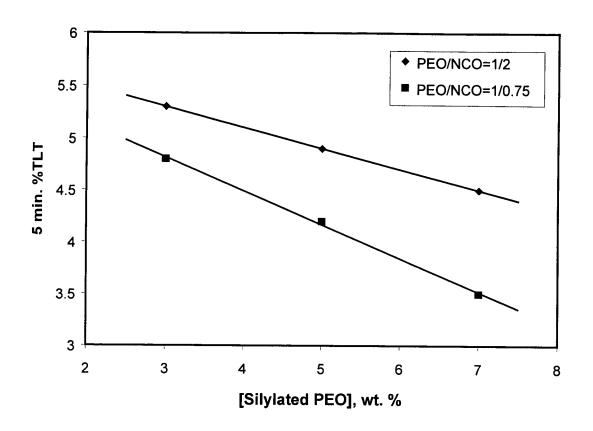


FIG. 19

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PEO/NCO=1/2 Good 85.2 73.7 4.9 Type of tint additive PEO/NCO=1/0.75 Some streaks 38.3 62.1 4.2 Streaks PEO 14.4 2.9 24 Post-tint appearance **Tests** 10 min %TL Bayer